



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dennis B. Hansen  
Filed: August 21, 2002

Group Art Unit No. 1724

For: METHOD AND APPARATUS FOR FLUSHING CONTAMINANTS  
FROM A CONTAINER OF FLUIDS

Serial No.: 10/064,822

Examiner: R. Popovics

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11-1, 2005

**AFFIDAVIT PURSUANT TO 37 C.F.R. 1.132**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Mr. Paul Pavlovich provided me with a signed affidavit wherein he compares the original Hot Flush machine and the new HF345S. I have reviewed our records and further based upon my personal first hand knowledge, I know that Mr. Paul Pavlovich owns and had owned for many years an original Hot Flush machine which is designed to use a reverse flow direction for an extended period of time. I know him to be very skilled in the art of flushing transmission coolers. I know that Mr. Paul Pavlovich owns a new HF345S and it is configured to provide for the very quick reversal and re-reversal of flow direction through the transmission cooler. I have not compensated Mr. Paul Pavlovich for his affidavit nor do I intend to reward him in anyway for providing me with the affidavit.

Mr. Paul Pavlovich was originally quite skeptical of how the new HF345S would perform with its dramatically limited reverse flow time, until he was able to see the increased amount of contamination it was able to remove in less time.

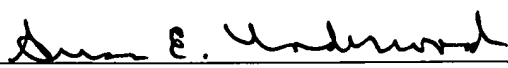
Signed on this 2 day of Nov., 2005.

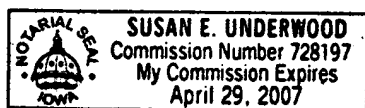
x  Dennis Hansen

STATE OF IOWA )

) ss  
COUNTY OF Chickasaw )

On this 2 day of Nov, 2005, before me, a Notary Public in and for said County and State, personally appeared Dennis B Hansen, to me personally known, who being by me duly sworn, did say that he acknowledged the execution of the foregoing instrument to be his voluntary act and deed

  
Notary Public in and for the state of Iowa



**AFFIDAVIT**

I, Paul Pavlovich own the original Hot Flush machine model number HF300 which uses a slow reversing cycle. By slow reversing cycle, I mean it is programmed to operate in one direction through the transmission cooler for four minutes, then it reverses direction and operates in the reverse direction through the transmission cooler for four minutes. This device has performed satisfactorily for many years, but there were still numerous problems which resulted from a failure to remove contaminants from the transmission fluid in the transmission cooler. I have used this original Hot Flush machine for six years. I consider myself to very be familiar with its design, operation and performance. I also consider myself to be skilled in the art of flushing transmission coolers.

I now also own the new Hot Flush HF345S which uses the very high speed flow direction reversal. This product dramatically outperforms my original Hot Flush machine. This machine is programmed to change the direction of fluid flow through the transmission cooler in three seconds.

I have used the new HF345S for one year and consider myself to very be familiar with its design, operation and performance.

I have personally cleaned a transmission cooler using the original Hot Flush machine with the slow reversal and cleaned it as best that I believe I could with this original Hot Flush machine.

I then immediately hooked up the new HF345S to the same transmission cooler and used it with its very high speed flow direction reversal valves and was able to remove a considerable amount of additional material, almost all of which I believe would not have been able to be removed using the original Hot Flush machine regardless of how long I might have continued to use the original Hot Flush machine.

I believe the very high speed reversal of the flow direction of transmission fluid through the transmission cooler is what causes the additional contaminants to become dislodged and removed, because the original Hot Flush and the HF345S otherwise operate in a very similar manner.

I believe that the HF345S with its rapid flow direction reversal dramatically outperforms the original Hot Flush unit.

Dated this 4<sup>TH</sup> day of NOVEMBER, 2005.

  
Signature